OIPE

CRF Errors Corrected by the STIC Systems Branch

Serial Number: 09/965529

CRF Processing Date: 11/07/01
Edited by: MAJ
Verified by: _____

- ☐ Changed a file from non-ASCII to ASCII
- ☐ Changed the margins in cases where the sequence text was "wrapped" down to the next line
- ☐ Edited a formal error in the Current Application Data section, specifically: _____
- ☐ Edited the Current Application Data section with the actual current number. The number input applicant was ☐ the prior application data; or ☐ other _____.
- ☐ Added the mandatory heading and subheadings for "Current Application Data".
- ☐ Edited the "Number of Sequences" field. The applicant spelled out a number instead of using
- ☐ Changed the spelling of a mandatory field (the headings or subheadings), specifically: _____
- ☐ Corrected the SEQ ID NO when obviously incorrect. The sequence numbers that were edited _____

ENTERED

- ☐ Inserted or corrected a nucleic number at the end of a nucleic line. SEQ ID NO's edited: _____
- ☐ Corrected subheading placement. All responses must be on the same line as each subheading applicant placed a response below the subheading, this was moved to its appropriate place.
- ☐ Inserted colons after headings/subheadings. Headings edited included: _____
- ☐ Deleted extra, invalid, headings used by an applicant, specifically: _____
- ☐ Deleted: ☐ non-ASCII "garbage" at the beginning/end of files; ☐ secretary initials/filename a ☐ page numbers throughout text; ☐ other invalid text, such as _____
- ☐ Inserted mandatory headings, specifically: _____
- ☐ Corrected an obvious error in the response, specifically: _____
- ☐ Edited identifiers where upper case is used but lower case is required, or vice versa.
- ☐ Corrected an error in the Number of Sequences field, specifically: _____
- ☐ A "Hard Page Break" code was inserted by the applicant. All occurrences had to be deleted.
- ☐ Deleted *ending* stop codon in amino acid sequences and adjusted the "(A)Length:" field according due to a PatentIn bug). Sequences corrected: _____
- ☑ Other: Aligned left mis aligned margins on Bellen 150 pound 15.1

*Examiner: The above corrections must be communicated to the applicant in the first C Action. DO NOT send a copy of this form.

OIPE

RAW SEQUENCE LISTING
PATENT APPLICATION: US/09/965,529

DATE: 11/07/2001
TIME: 15:03:48

Input Set : A:\PF-0731-USA.txt
Output Set: N:\CRF3\11072001\I965529.raw

ENTERED

```
      2 <110> APPLICANT: LAL, Preeti
      3       YUE, Henry
      4       TANG, Y. Tom
      5       BANDMAN, Olga
      6       BURFORD, Neil
      7       AZIMZAI, Yalda
      8       BAUGHN, Mariah R.
      9       LU, Dyung Aina M.
     10       PATTERSON, Chandra
W--> 11 <120> TITLE OF INVENTION: MEMBRANE ASSOCIATED PROTEINS
W--> 12 <130> FILE REFERENCE: PF-0731 USA
W--> 13 <140> CURRENT APPLICATION NUMBER: To Be Assigned
C--> 14 <141> CURRENT FILING DATE: 2001-09-26
     15 <150> PRIOR APPLICATION NUMBER: 60/149,641; 60/164,203; PCT/US00/22315
W--> 16 <151> PRIOR FILING DATE: 1999-08-17; 1999-11-09; 2000-08-14
W--> 17 <160> NUMBER OF SEQ ID: 74
     18 <170> SOFTWARE: PERL Program
W--> 19 <210> SEQ ID NO: 1
     20 <211> LENGTH: 351
     21 <212> TYPE: PRT
     22 <213> ORGANISM: Homo sapiens
W--> 23 <220> FEATURE:
     24 <221> NAME/KEY: misc_feature
     25 <223> OTHER INFORMATION: Incyte ID No: 112301CD1
W--> 26 <400> SEQUENCE: 1
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     30                  20                  25                  30
     31 Ser Val Ala Glu Ile Glu Glu Ala Leu Gln Ala Gly Leu Ala Pro
     32                  35                  40                  45
     33 Leu Gly Glu Tyr Arg Leu Leu Gly Arg Met Phe Arg Arg Asp Glu
     34                  50                  55                  60
     35 Asn Arg Lys Val Ala Leu Val Gly Leu Thr Ala Glu Thr Ser His
     36                  65                  70                  75
     37 Ala Leu Val Pro Lys Glu Ile Pro Gly Lys Gly Gly Ile Trp Arg
     38                  80                  85                  90
     39 Val Ile Phe Lys Pro Pro Asp Pro Asp Asn Thr Phe Leu Ser Arg
     40                  95                 100                 105
     41 Leu Asn Glu Phe Leu Ala Gly Glu Gly Met Thr Val Gly Glu Leu
     42                 110                 115                 120
     43 Ser Arg Ala Leu Gly His Glu Asn Gly Ser Leu Asp Pro Glu Gln
     44                 125                 130                 135
     45 Gly Met Ile Pro Glu Met Trp Ala Pro Met Leu Ala Gln Ala Leu
     46                 140                 145                 150
     47 Glu Ala Leu Gln Pro Ala Leu Gln Cys Leu Lys Tyr Lys Lys Leu
     48                 155                 160                 165
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Edit Edit

09/965529
Edited prior app field
PTO. MBB
Need to process
new stocks No contact

RAW SEQUENCE LISTING DATE: 11/07/2001
PATENT APPLICATION: US/09/965,529 TIME: 15:03:48

Input Set : A:\PF-0731-USA.txt
Output Set: N:\CRF3\11072001\I965529.raw

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 50                 170                 175                 180
 51 Phe Gly Arg Trp Met Phe His Thr Thr Gln Met Ile Lys Ala Trp
 52                 185                 190                 195
 53 Gln Val Pro Asp Val Glu Lys Arg Arg Arg Leu Leu Glu Ser Leu
 54                 200                 205                 210
 55 Arg Gly Pro Ala Leu Asp Val Ile Arg Val Leu Lys Ile Asn Asn
 56                 215                 220                 225
 57 Pro Leu Ile Thr Val Asp Glu Cys Leu Gln Ala Leu Glu Glu Val
 58                 230                 235                 240
 59 Phe Gly Val Thr Asp Asn Pro Arg Glu Leu Gln Val Lys Tyr Leu
 60                 245                 250                 255
 61 Thr Thr Tyr Gln Lys Asp Glu Glu Lys Leu Ser Ala Tyr Val Leu
 62                 260                 265                 270
 63 Arg Leu Glu Pro Leu Leu Gln Lys Leu Val Gln Arg Gly Ala Ile
 64                 275                 280                 285
 65 Glu Arg Asp Ala Val Asn Gln Ala Arg Leu Asp Gln Val Ile Ala
 66                 290                 295                 300
 67 Gly Ala Val His Lys Thr Ile Arg Arg Glu Leu Asn Leu Pro Glu
 68                 305                 310                 315
 69 Asp Gly Pro Ala Pro Gly Phe Leu Gln Leu Leu Val Leu Ile Lys
 70                 320                 325                 330
 71 Asp Tyr Glu Ala Ala Glu Glu Glu Glu Ala Leu Leu Gln Ala Ile
 72                 335                 340                 345
 73 Leu Glu Gly Asn Phe Thr
 74                 350
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 78 <213> ORGANISM: Homo sapiens
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 80 <221> NAME/KEY: misc_feature
 81 <223> OTHER INFORMATION: Incyte ID No: 997947CD1
W--> 82 <400> SEQUENCE: 2
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 84   1               5                  10                  15
 85 Phe Ala Gly Leu Asp Pro Ser Lys Thr Gln Ile Ser Pro Lys Glu
 86                  20                  25                  30
 87 Gly Trp Gln Val Tyr Ser Ser Ala Gln Asp Pro Asp Gly Arg Cys
 88                  35                  40                  45
 89 Ile Cys Thr Val Val Ala Pro Glu Gln Asn Leu Cys Ser Arg Asp
 90                  50                  55                  60
 91 Ala Lys Ser Arg Gln Leu Arg Gln Leu Leu Glu Lys Val Gln Asn
 92                  65                  70                  75
 93 Met Ser Gln Ser Ile Glu Val Leu Asn Leu Arg Thr Gln Arg Asp
 94                  80                  85                  90
 95 Phe Gln Tyr Val Leu Lys Met Glu Thr Gln Met Lys Gly Leu Lys
 96                  95                 100                 105
 97 Ala Lys Phe Arg Gln Ile Glu Asp Asp Arg Lys Thr Leu Met Thr
```

RAW SEQUENCE LISTING DATE: 11/07/2001
PATENT APPLICATION: US/09/965,529 TIME: 15:03:48

Input Set : A:\PF-0731-USA.txt
Output Set: N:\CRF3\11072001\I965529.raw

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98                 110                 115                 120
99 Lys His Phe Gln Glu Leu Lys Glu Lys Met Asp Glu Leu Leu Pro
100                125                 130                 135
101 Leu Ile Pro Val Leu Glu Gln Tyr Lys Thr Asp Ala Lys Leu Ile
102                140                 145                 150
103 Thr Gln Phe Lys Glu Glu Ile Arg Asn Leu Ser Ala Val Leu Thr
104                155                 160                 165
105 Gly Ile Gln Glu Glu Ile Gly Ala Tyr Asp Tyr Glu Glu Leu His
106                170                 175                 180
107 Gln Arg Val Leu Ser Leu Glu Thr Arg Leu Arg Asp Cys Met Lys
108                185                 190                 195
109 Lys Leu Thr Cys Gly Lys Leu Met Lys Ile Thr Gly Pro Val Thr
110                200                 205                 210
111 Val Lys Thr Ser Gly Thr Arg Phe Gly Ala Trp Met Thr Asp Pro
112                215                 220                 225
113 Leu Ala Ser Glu Lys Asn Asn Arg Val Trp Tyr Met Asp Ser Tyr
114                230                 235                 240
115 Thr Asn Asn Lys Ile Val Arg Glu Tyr Lys Ser Ile Ala Asp Phe
116                245                 250                 255
117 Val Ser Gly Ala Glu Ser Arg Thr Tyr Asn Leu Pro Phe Lys Trp
118                260                 265                 270
119 Ala Gly Thr Asn His Val Val Tyr Asn Gly Ser Leu Tyr Phe Asn
120                275                 280                 285
121 Lys Tyr Gln Ser Asn Ile Ile Ile Lys Tyr Ser Phe Asp Met Gly
122                290                 295                 300
123 Arg Val Leu Ala Gln Arg Ser Leu Glu Tyr Ala Gly Phe His Asn
124                305                 310                 315
125 Val Tyr Pro Tyr Thr Trp Gly Gly Phe Ser Asp Ile Asp Leu Met
126                320                 325                 330
127 Ala Asp Glu Ile Gly Leu Trp Ala Val Tyr Ala Thr Asn Gln Asn
128                335                 340                 345
129 Ala Gly Asn Ile Val Ile Ser Gln Leu Asn Gln Asp Thr Leu Glu
130                350                 355                 360
131 Val Met Lys Ser Trp Ser Thr Gly Tyr Pro Lys Arg Ser Ala Gly
132                365                 370                 375
133 Glu Ser Phe Met Ile Cys Gly Thr Leu Tyr Val Thr Asn Ser His
134                380                 385                 390
135 Leu Thr Gly Ala Lys Val Tyr Tyr Ser Tyr Ser Thr Lys Thr Ser
136                395                 400                 405
137 Thr Tyr Glu Tyr Thr Asp Ile Pro Phe His Asn Gln Tyr Phe His
138                410                 415                 420
139 Ile Ser Met Leu Asp Tyr Asn Ala Arg Asp Arg Ala Leu Tyr Ala
140                425                 430                 435
141 Trp Asn Asn Gly His Gln Val Leu Phe Asn Val Thr Leu Phe His
142                440                 445                 450
143 Ile Ile Lys Thr Glu Asp Asp Thr
144                455
145 <210> SEQ ID NO: 3
146 <211> LENGTH: 219
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RAW SEQUENCE LISTING DATE: 11/07/2001
PATENT APPLICATION: US/09/965,529 TIME: 15:03:48

Input Set : A:\PF-0731-USA.txt
Output Set: N:\CRF3\11072001\I965529.raw

147 <212> TYPE: PRT
148 <213> ORGANISM: Homo sapiens
W--> 149 <220> FEATURE:
150 <221> NAME/KEY: misc_feature
151 <223> OTHER INFORMATION: Incyte ID No: 1521513CD1
W--> 152 <400> SEQUENCE: 3
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154 1 5 10 15
155 Cys Phe Ser Ser Gln Met Phe Leu Trp Thr Val Ala Gly Ile Pro
156 20 25 30
157 Ile Leu Phe Leu Ser Ala Cys Phe Ile Thr Arg Cys Val Val Thr
158 35 40 45
159 Phe Arg Ile Phe Gln Thr Cys Asp Glu Lys Lys Phe Gln Leu Pro
160 50 55 60
161 Glu Asn Phe Thr Glu Leu Ser Cys Tyr Asn Tyr Gly Ser Gly Ser
162 65 70 75
163 Val Lys Asn Cys Cys Pro Leu Asn Trp Glu Tyr Phe Gln Ser Ser
164 80 85 90
165 Cys Tyr Phe Phe Ser Thr Asp Thr Ile Ser Trp Ala Leu Ser Leu
166 95 100 105
167 Lys Asn Cys Ser Ala Met Gly Ala His Leu Val Val Ile Asn Ser
168 110 115 120
169 Gln Glu Glu Gln Glu Phe Leu Ser Tyr Lys Lys Pro Lys Met Arg
170 125 130 135
171 Glu Phe Phe Ile Gly Leu Ser Asp Gln Val Val Glu Gly Gln Trp
172 140 145 150
173 Gln Trp Val Asp Gly Thr Pro Leu Thr Lys Ser Leu Ser Phe Trp
174 155 160 165
175 Asp Val Gly Glu Pro Asn Asn Ile Ala Thr Leu Glu Asp Cys Ala
176 170 175 180
177 Thr Met Arg Asp Ser Ser Asn Pro Arg Gln Asn Trp Asn Asp Val
178 185 190 195
179 Thr Cys Phe Leu Asn Tyr Phe Arg Ile Cys Glu Met Val Gly Ile
180 200 205 210
181 Asn Pro Leu Asn Lys Gly Lys Ser Leu
182 215
183 <210> SEQ ID NO: 4
184 <211> LENGTH: 276
185 <212> TYPE: PRT
186 <213> ORGANISM: Homo sapiens
W--> 187 <220> FEATURE:
188 <221> NAME/KEY: misc_feature
189 <223> OTHER INFORMATION: Incyte ID No: 1863994CD1
W--> 190 <400> SEQUENCE: 4
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192 1 5 10 15
193 Pro Leu Trp Pro Leu Leu Leu Leu Pro Leu Pro Pro Pro Ala Gln
194 20 25 30
195 Gly Ser Ser Ser Ser Pro Arg Thr Pro Pro Ala Pro Ala Arg Pro

RAW SEQUENCE LISTING DATE: 11/07/2001
PATENT APPLICATION: US/09/965,529 TIME: 15:03:48

Input Set : A:\PF-0731-USA.txt
Output Set: N:\CRF3\11072001\I965529.raw

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196                  35                  40                  45
197 Pro Cys Ala Arg Gly Gly Pro Ser Ala Pro Arg His Val Cys Val
198                  50                  55                  60
199 Trp Glu Arg Ala Pro Pro Pro Ser Arg Ser Pro Arg Val Pro Arg
200                  65                  70                  75
201 Ser Arg Arg Gln Val Leu Pro Gly Thr Ala Pro Pro Ala Thr Pro
202                  80                  85                  90
203 Ser Gly Phe Glu Glu Gly Pro Pro Ser Ser Gln Tyr Pro Trp Ala
204                  95                 100                 105
205 Ile Val Trp Gly Pro Thr Val Ser Arg Glu Asp Gly Gly Asp Pro
206                 110                 115                 120
207 Asn Ser Ala Asn Pro Gly Phe Leu Asp Tyr Gly Phe Ala Ala Pro
208                 125                 130                 135
209 His Gly Leu Ala Thr Pro His Pro Asn Ser Asp Ser Met Arg Gly
210                 140                 145                 150
211 Asp Gly Asp Gly Leu Ile Leu Gly Glu Ala Pro Ala Thr Leu Arg
212                 155                 160                 165
213 Pro Phe Leu Phe Gly Gly Arg Gly Glu Gly Val Asp Pro Gln Leu
214                 170                 175                 180
215 Tyr Val Thr Ile Thr Ile Ser Ile Ile Ile Val Leu Val Ala Thr
216                 185                 190                 195
217 Gly Ile Ile Phe Lys Phe Cys Trp Asp Arg Ser Gln Lys Arg Arg
218                 200                 205                 210
219 Arg Pro Ser Gly Gln Gln Gly Ala Leu Arg Gln Glu Glu Ser Gln
220                 215                 220                 225
221 Gln Pro Leu Thr Asp Leu Ser Pro Ala Gly Val Thr Val Leu Gly
222                 230                 235                 240
223 Ala Phe Gly Asp Ser Pro Thr Pro Thr Pro Asp His Glu Glu Pro
224                 245                 250                 255
225 Arg Gly Gly Pro Arg Pro Gly Met Pro His Pro Lys Gly Ala Pro
226                 260                 265                 270
227 Ala Phe Gln Leu Asn Arg
228                 275
229 <210> SEQ ID NO: 5
230 <211> LENGTH: 375
231 <212> TYPE: PRT
232 <213> ORGANISM: Homo sapiens
W--> 233 <220> FEATURE:
234 <221> NAME/KEY: misc_feature
235 <223> OTHER INFORMATION: Incyte ID No: 2071941CD1
W--> 236 <400> SEQUENCE: 5
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238   1               5                  10                  15
239 Pro Ala Ser Asn Arg Glu Ala Asp Thr Val Glu Leu Ala Glu Leu
240                  20                  25                  30
241 Gly Pro Leu Leu Glu Glu Lys Gly Lys Arg Val Ile Ala Asn Pro
242                  35                  40                  45
243 Pro Lys Ala Glu Glu Glu Gln Thr Cys Pro Val Pro Gln Glu Glu
244                  50                  55                  60
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VERIFICATION SUMMARY DATE: 11/07/2001
PATENT APPLICATION: US/09/965,529 TIME: 15:03:49

Input Set : A:\PF-0731-USA.txt
Output Set: N:\CRF3\11072001\I965529.raw

L:11 M:283 W: Missing Blank Line separator, <120> field identifier
L:12 M:283 W: Missing Blank Line separator, <130> field identifier
L:13 M:283 W: Missing Blank Line separator, <140> field identifier
L:13 M:270 C: Current Application Number differs, Replaced Current Application Number
L:14 M:271 C: Current Filing Date differs, Replaced Current Filing Date
L:16 M:256 W: Invalid Numeric Header Field, Wrong Prior FILING DATE:YYYY-MM-DD
L:17 M:283 W: Missing Blank Line separator, <160> field identifier
L:19 M:283 W: Missing Blank Line separator, <210> field identifier
L:23 M:283 W: Missing Blank Line separator, <220> field identifier
L:26 M:283 W: Missing Blank Line separator, <400> field identifier
L:79 M:283 W: Missing Blank Line separator, <220> field identifier
L:82 M:283 W: Missing Blank Line separator, <400> field identifier
L:149 M:283 W: Missing Blank Line separator, <220> field identifier
L:152 M:283 W: Missing Blank Line separator, <400> field identifier
L:187 M:283 W: Missing Blank Line separator, <220> field identifier
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L:236 M:283 W: Missing Blank Line separator, <400> field identifier
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L:294 M:283 W: Missing Blank Line separator, <400> field identifier
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L:1057 M:283 W: Missing Blank Line separator, <220> field identifier
L:1060 M:283 W: Missing Blank Line separator, <400> field identifier
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L:1108 M:283 W: Missing Blank Line separator, <400> field identifier
L:1165 M:283 W: Missing Blank Line separator, <220> field identifier
L:1168 M:283 W: Missing Blank Line separator, <400> field identifier

VERIFICATION SUMMARY DATE: 11/07/2001
PATENT APPLICATION: US/09/965,529 TIME: 15:03:49

Input Set : A:\PF-0731-USA.txt
Output Set: N:\CRF3\11072001\I965529.raw

L:1231 M:283 W: Missing Blank Line separator, <220> field identifier
L:1234 M:283 W: Missing Blank Line separator, <400> field identifier
L:1301 M:283 W: Missing Blank Line separator, <220> field identifier
L:1304 M:283 W: Missing Blank Line separator, <400> field identifier
L:1341 M:283 W: Missing Blank Line separator, <220> field identifier
L:2264 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:39
L:2265 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:39
L:2266 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:39
L:3082 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:62